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BENJAMIN A		
BERMAN H S		
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COPP, R D		
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DAVIS J G		
FERRERA, D W		
FRANZ W A		
HANNI B J		
HEALY T J		
HEDAHL T G		
HILBIG J G		
HUTCHINS N M	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
KIRBY W A		
KUESTER A W		
MAHAFFEY J W		
MANN H P		
MARX G E		
McKENNA F G		
MORGAN H V		
PIZZUTO V M		
POTTER G L		
SANDLIN N B		
SATTERWHITE D G		
SCHUBERT A L		
SETLOCK G H		
SULLIVAN M T		
SWANSON E R		
WILKINSON R B		
WILSON J M		

Smith R ☒

Singer S ☒

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Reviewed for Addressee
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12-14-93
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Department of Energy

memorandum

Rocky Flats Office

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EPD EAH 13622

Comments on Outline of 1994 Hydrogeologic Characterization Report

Ned Hutchins, Deputy Associate General Manager
Environmental Restoration Management
EG&G Rocky Flats, Inc

In reference to your letter (93-RF-14738) dated December 3, 1993, the Department of Energy, Rocky Flats Office, Environmental Protection Division (EPD) has reviewed the outline for the 1994 Hydrogeologic Characterization Report EPD review comments are attached

If there are any questions, please call me at extension 5915



E A Howard
Environmental Protection Division

Attachment

cc w/Att
J Pepe, ERD, RFO
R Lindberg, EPD, RFO
R Smith, ES&E, EG&G
S Singer, ES&E, EG&G

OR
RM
Hutchins

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ATTACHMENT

Comments on Draft Outline for Hydrogeologic Characterization Report

Drop the word "Physical" from the outline title and from the report title

Section 3.2 In this section, please include a review of the 1990 report by Dixie Shear on grain size analysis and selection of appropriate sand packs for monitor well installations at RFP. Additional work may need to be done in this area.

Section 6.4 "Stable Isotope and Environmental Tritium Studies" are geochemical in nature, and might fit better with the site-wide groundwater geochemical characterization report being written by Dr. Mary Siders?

Section 6.7 Add a new section 6.7 "Groundwater Modeling Activities"

Section 7.2.4 The No. 1 Sandstone should probably not be part of the title of this section. Also, section 7.2.5 discusses "weathered" Laramie, while section 7.2.4 discusses unweathered Arapahoe. Isn't there some "weathered Arapahoe" and where will it be discussed?

Section 7.6 Change the word "Activities" to "Results", or rename the section to discuss what we have learned about the hydrogeology of RFP from past groundwater modeling activities.

Section 7.7.2.3 Change to "Present Landfill"

Section 9.0 Please change "Additional" to "Future"

Section 9.0 Please include the following as candidates for future groundwater studies: Re-evaluate present RFP well installation procedures (especially with regard to screening and sand-packing) in siltstones and claystones. The purpose for this study is to deal with the large number of high turbidity, high TSS wells installed at RFP.

Study the influence of prior well purging and sampling events on subsequent water level measurements (well recovery rates). Make recommendations regarding time intervals required between sampling and water level measurements.